R82®

stingray™

English user manual

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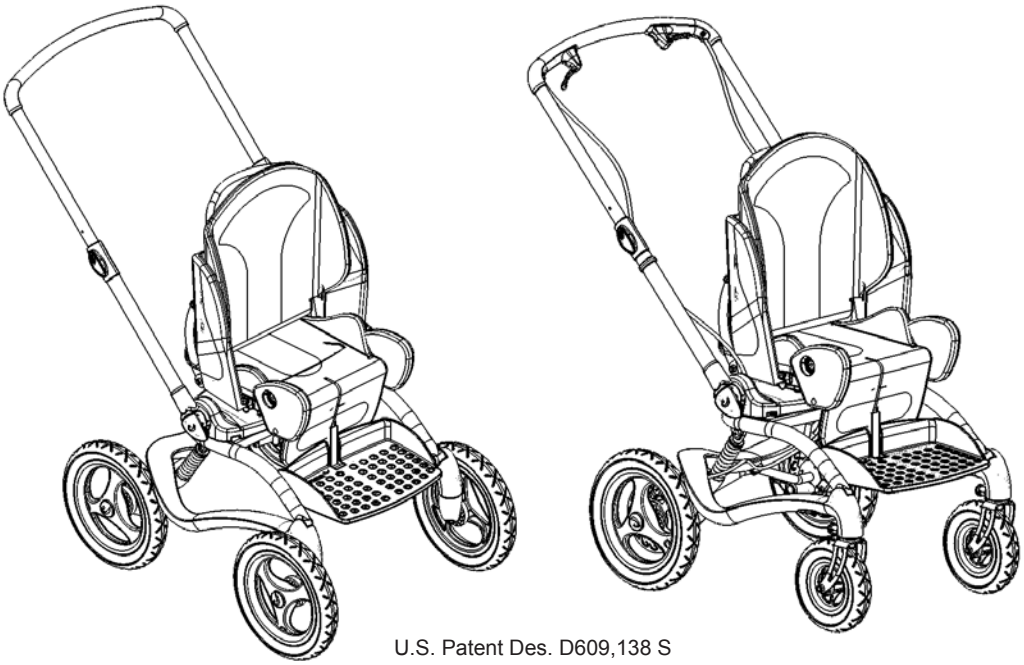


U.S. Patent Des. D609,138 S
U.S. Patent Des. D602,405 S
Norwegian Design Reg. No. 81500
Pat. Pend.

GB STINGRAY

Congratulations on your new Stingray. It is a high quality R82 product and we are convinced that it will fully live up to your expectations.

The Stingray has been designed for children, who need good comfort and support. It has been designed to ensure a great looks along with a great functionality.

The seat can be placed in a forward seated position or can be turned around 180° to be able to maintain eye contact with care giver/parents. The seat can be turned around with or without the child seated in the product.

The seat depth and back height is easy to adjust, making it possible to expand the seat when the child grows. Numerous accessories makes it possible to accommodate almost any special need for a comfortable seating position.

This manual will enable you to take full advantage of the many possibilities of the Stingray.

GB SAFETY

The Stingray has earned the CE-mark. This certifies that it meets all relevant European safety requirements. Further the Stingray is approved according to ISO 7176/19-2001, EN 12182. The durability of this product is 5 years when it is used on a daily basis. Hereafter the product must be renovated (by R82 personnel) to extend the lifetime.

Read this manual carefully before use and keep it for future reference. Your child's safety may be affected if you do not follow the instructions in this manual.

Remove the CE-mark, when rebuilding the product or when using other than original R82 spare parts and fittings.

The chair is constructed for one user only. Do not place more than one user in the chair.

Do not leave/storage the chair in direct sun over a long period of time. Check the temperature in the chair before placing your child in the seat.

Never leave your child unattended in this product. Ensure constant supervision by an adult. Incorrect use of the product, may cause serious injury to the user. Ensure that the belt is securely fixed to the frame before every use.

Any load attached to the handle, for instance a full shopping bag, wil affect the stability of the chair.

The latest version of the manual is always available online: www.R82.com

If a child is sitting in the system, all belts and harnesses should be secured before the seat is adjusted.

GB WARRANTY

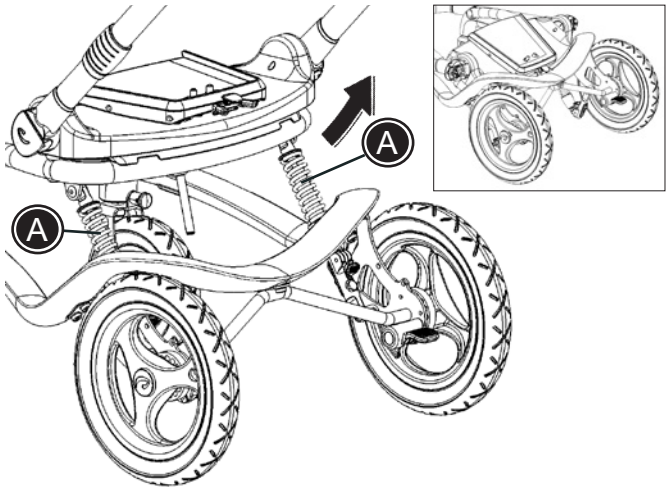
R82 offers a 2-year warranty against defects in workmanship and materials and a 5-year warranty on breakage of the metal frame caused by defects in welds. The warranty would be adversely affected if the customer's responsibility of servicing and/or daily maintenance is not carried out according to the guidelines and intervals prescribed by the supplier and/or stated in the manual. For further information, we refer to the R82 homepage/download. The warranty can only be sustained if the R82 product is in use in the same country where it was purchased and if the product can be identified by the serial number. The warranty does not cover accidental damage, including damage caused by misuse or neglect. The warranty does not extend to non-durable parts, which are subject to normal wear and tear and need periodic replacement. The warranty is null and void if non-original R82 parts/accessories are used, or if the product is repaired or altered by anyone other than an authorised R82 representative or by trained personnel officially recognised by R82 for repair and maintenance of R82 products. R82 reserves the right to inspect the product being claimed for and the relevant documentation before agreeing to the warranty claim, and to decide upon whether to replace or repair the defective product. It is the customer's responsibility to return the item being claimed for under warranty to the address of purchase. The warranty is given by R82 or, subsequently, an R82 dealer.

GB TOOLS

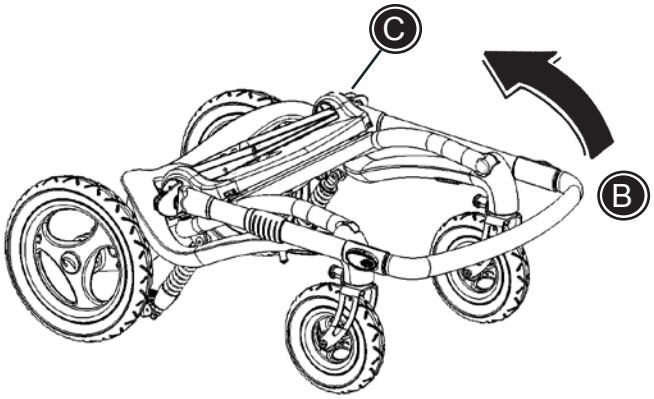
The small bag mounted on the Stingray contain a 3, 4 and 5 mm Allen key. These tools are used to perform some of the adjustments described in this manual.

GB STINGRAY READY FOR USE

* Remove the Stingray from the box.
* Pull up (A) to lift the backend of the frame. Make sure the frame clicks into place.
* Lift the push brace upwards until it clicks (B).
* Lock the handles (C).



> Make sure that the red security handle (D) on the back is tipped up. If the red handle is pushed down, the seat is not installed correctly on the interface.

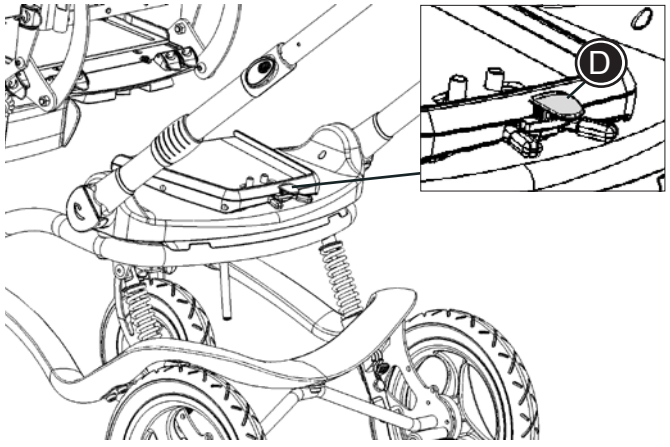


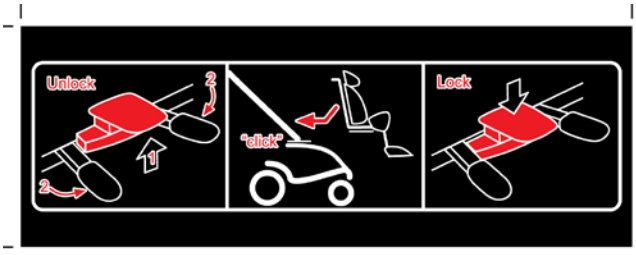
* Mount the seat on the interface by sliding the seat into the interface until it clicks. Pull the seat outwards to make sure that it has clicked into position.

* Push down the red security handle (D) when the seat is mounted.

Follow the instructions on the next pages, to position the back, seat and footplate.

Stingray is now ready for use.





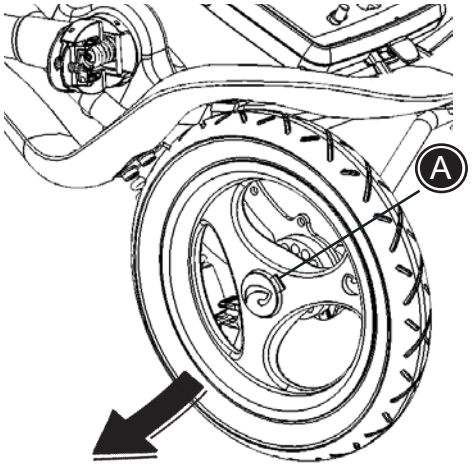
GB FRAME

The Stingray frame is available with:

* 4 large wheels or
* 2 large rear wheels and 2 small front wheels

* 1-bar parking brake
* 1-bar parking brake and hand brakes
* 2-bar parking brake
* 2-bar parking brake and hand brakes

The air pressure in the wheels must be max. 36 PSI/ 2,5 bar.



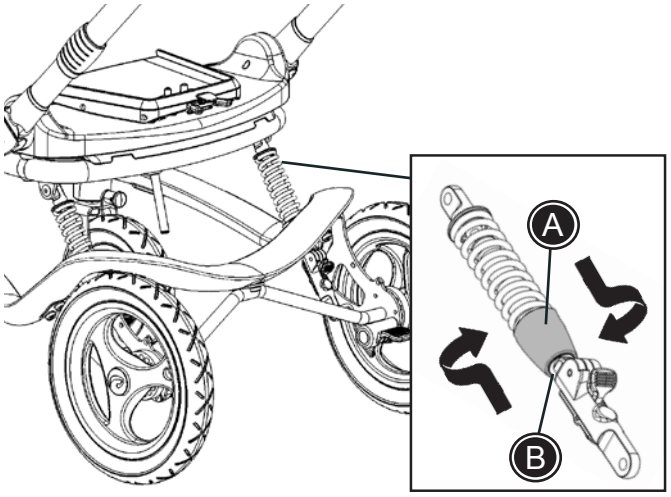
GB REAR WHEELS

The rear wheels can be removed to lighten the frame for storage and easy lifting.

* Push in (A) to mount/dismount the wheel

Make sure the rear wheels are correctly mounted and clicked into place.

Wheels with disc brakes can NOT be dismounted.



GB SPRING SUSPENSION

The spring suspensions are adjustable.

* When a harder suspension is needed, turn the handle (A) clockwise to compress the spring. When a more springy suspension is needed, turn the handle (A) counterclockwise to loosen the spring.

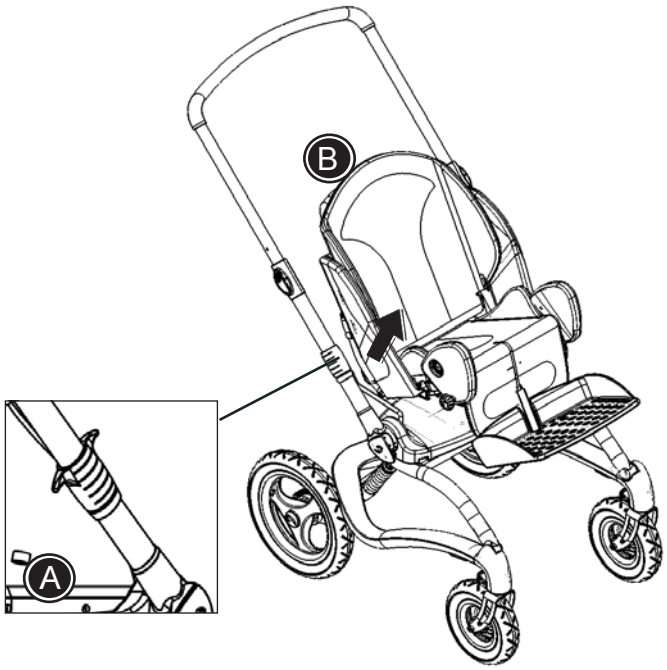
Use the indicators (B) to set the same suspension at both sides at the frame

GB TILT IN SPACE

To angle adjust the complete seat unit, pull up the handle (A) at the right side of the frame.

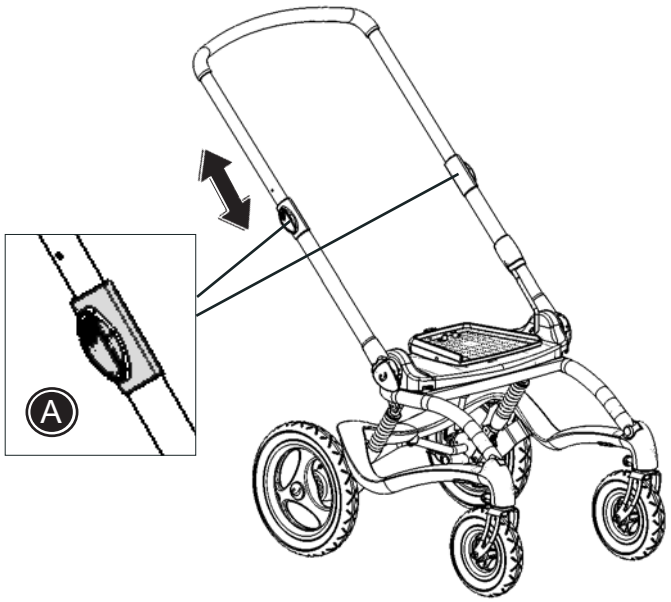
Hold onto the back to prevent it from suddenly moving when the handle is released.

When tilting the Stingray, please be careful not to get fingers caught between the seat and frame.



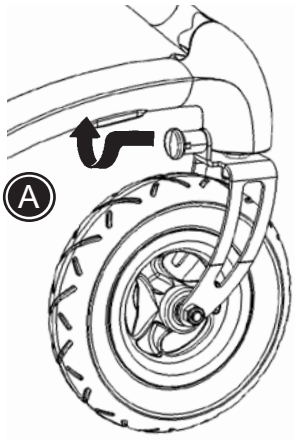
GB ADJUSTING THE PUSH BRACE

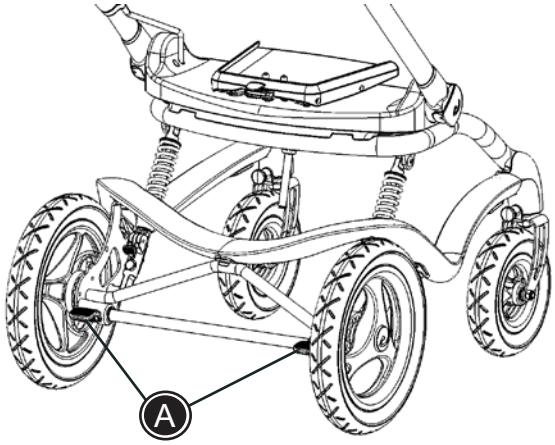
The push brace is adjusted by pushing in the buttons (A) on both sides of the handle and lifting the handle into the required position.



GB DIRECTIONAL STABILIZER

With the directional stabilizer the wheels can be locked in a fixed position (A).





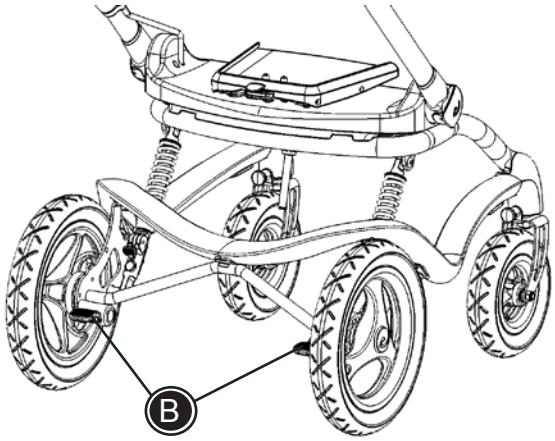
GB PARKING BRAKES

The Stingray is available with either a one-bar or a two-point parking system.

Stingray with one-bar parking system:

* Activate the brakes at one side by pressing down the pedal (A)

Kiddie boards from other suppliers can easily be mounted on this system.

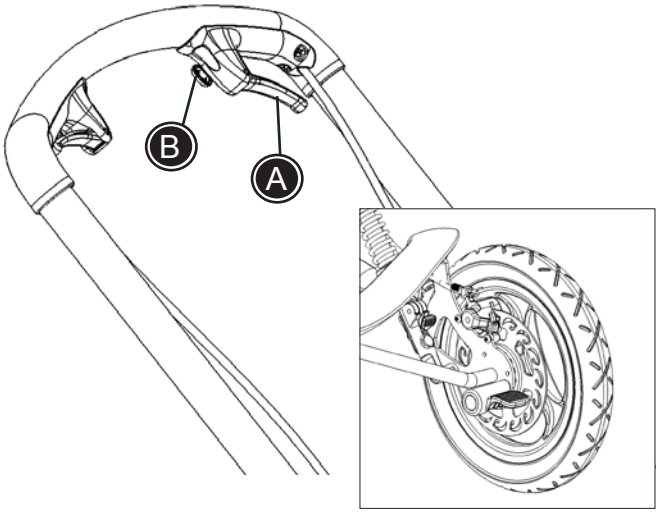


Stingray with two-point parking system:

* Activate the brakes at each side by pressing down the pedals (B)

Always make sure to activate the brakes whenever the Stingray is parked.

Check on a regular interval that the locks click into place and the holes are not filled with grease or dirt.



GB HAND BRAKES

The Stingray is available with or without hand brakes mounted.

* Squeeze the handle (A) to brake

* Squeeze the handle (A) and push in the red button (B) to lock the brake

* Squeeze the handle (A) to unlock the brake

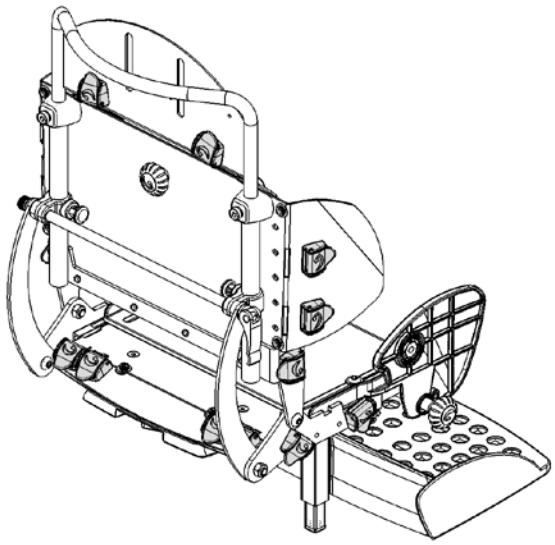
GB OPTIONAL SEAT SYSTEM

Please find descriptions on the seat adjustments on the following pages:

* Back height
* Back angling
* Seat depth

GB FIX-LOCKS

The seat is equipped with fix-locks for easy mounting of various vests and belts.



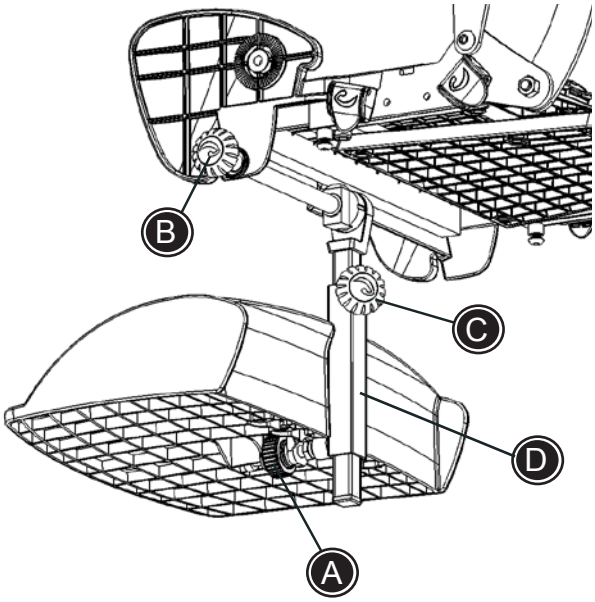
GB FOOT SUPPORT

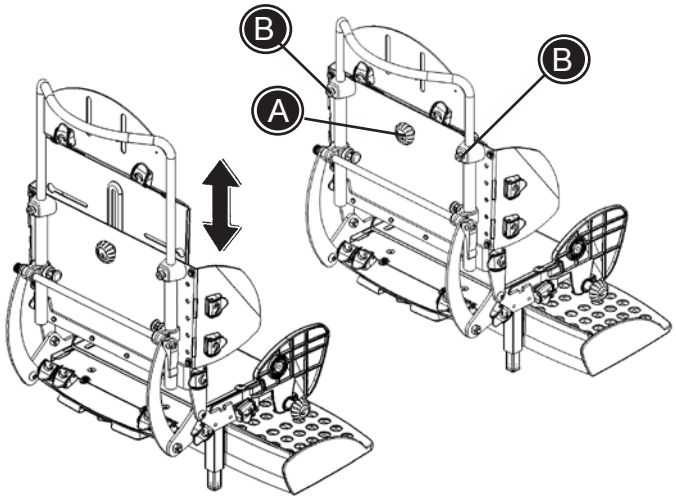
The foot support should support the user and prevent them from sliding out of the chair.

Do not use the foot support for standing transfers

* Angling the foot plate (A)
* Angling the foot support bar (B)
* Height adjustment (C)

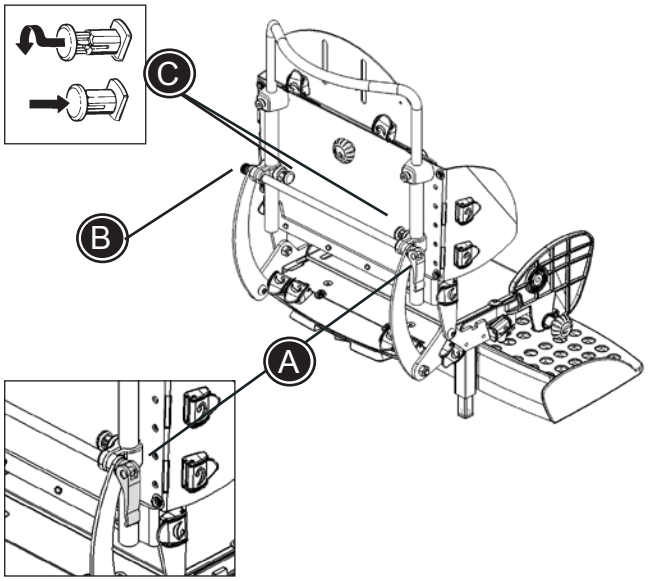
It is possible to rotate the foot support bar (D) and achieve a higher mounting of the foot support plate.





GB BACK HEIGHT

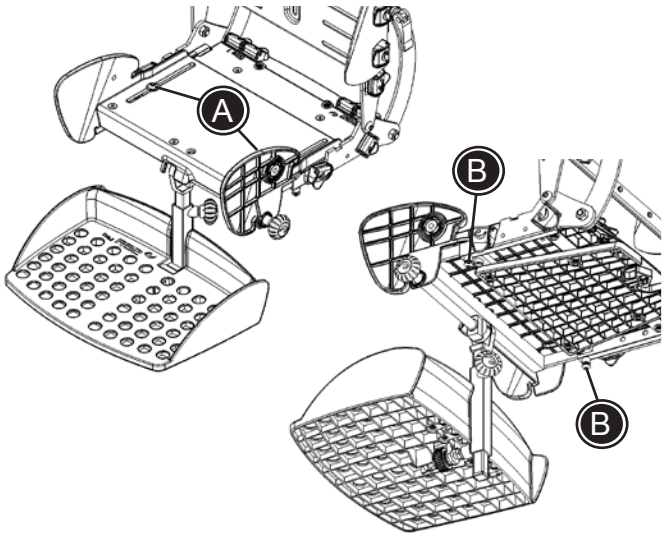
Loosen the handle (A) and the two screws (B) to adjust the back height. Fasten the handle and the screws at the desired position.



GB BACK ANGLING

Unlock the Handle (A) on the right hand side of the seat by lifting it up. Hold onto the handle and loosen knob (B) on the left hand side by turning anti-clockwise. Hold the back. Pull and twist the safety catches (C) on both sides of the back to ensure that these are disengaged. Position the back and engage the safety catches (C). Hold Handle (A) and tighten knob (B) and finally lower Handle (A). This should need a firm push and should not be too easy or too hard to lock.

Hold onto the back to prevent it from suddenly moving when the handle is unlocked.



GB SEAT DEPTH

Loosen the two screws (A) in the seat and the two screws (B) beneath the seat to adjust the seat depth. Use the 5 mm Allen key.

Refasten all screws after adjustment.

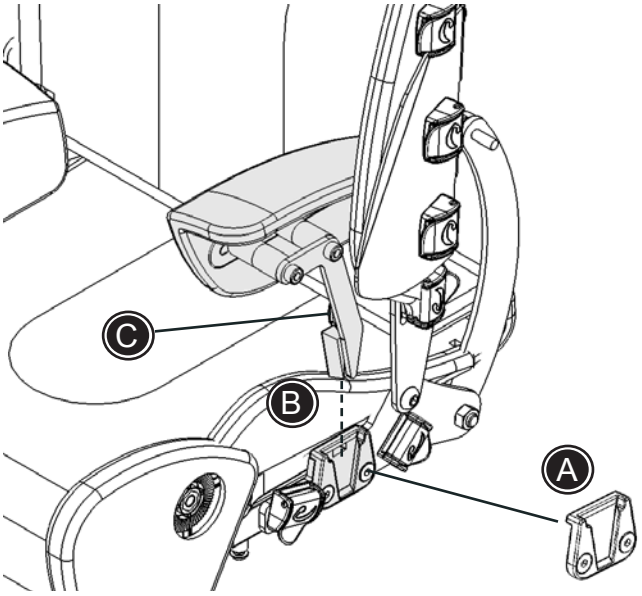
GB MOUNTING HIP SUPPORTS

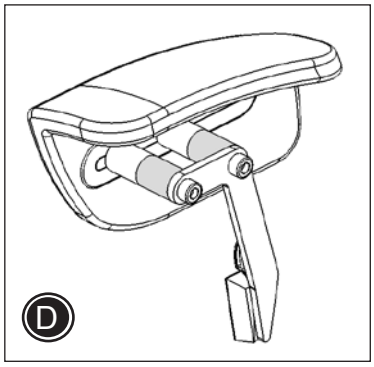
Mounting:
* Use the 5 mm Allen key to mount the holder (A) on the side of the chair
* Mount the hip support in the holder (B). Please be aware that it 'clicks' into place.

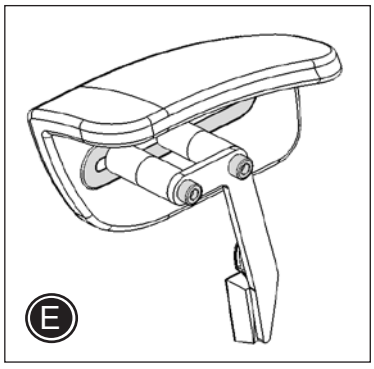
Dismounting:
* Click on (C) to dismount the hip supports.

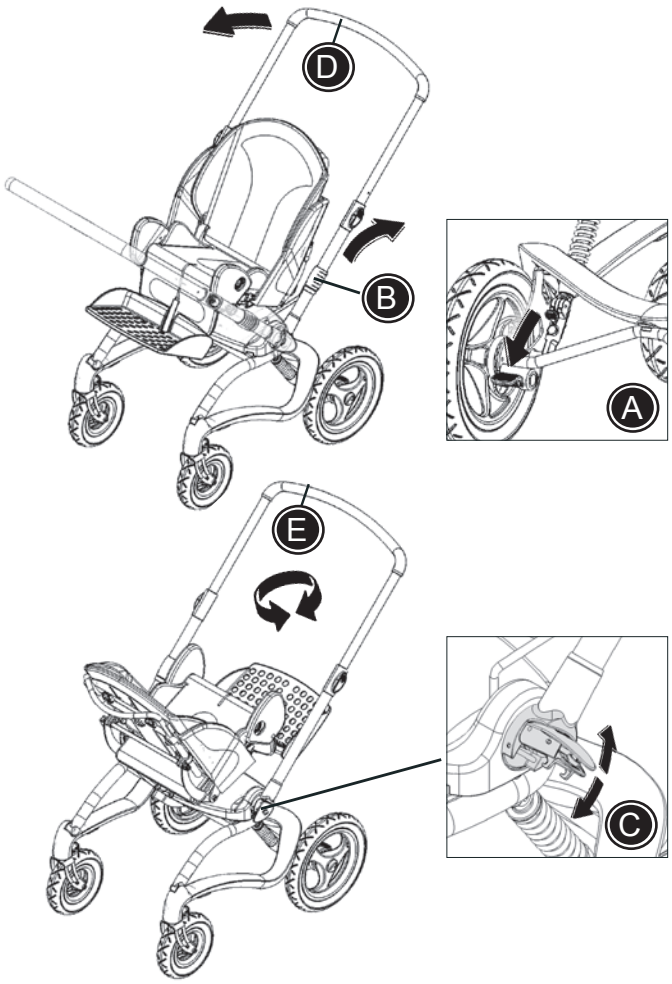
Adjustment:
* Add extra distance pieces (D) to adjust the width.
* Adjust the hip support in the slot (E) to adjust the depth.

Any adjustments and addition of accessories must be placed and fitted correctly and checked before every use.









GB REVERSIBLE SEAT

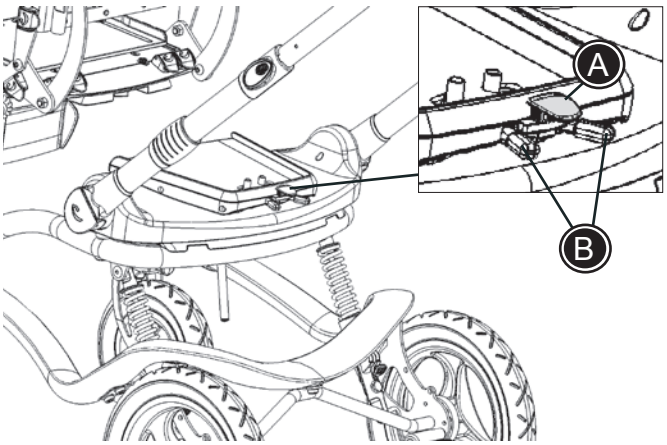
The Stingray seat is reversible 180°. The easiest way is as follows:

* Activate the brakes (A)
* Tilt the complete seat unit backwards (B)
* Unlock the handles (C)
* Tip the push handle upright (D)
* Lock the handles (C)
* Turn the seat unit until it clicks into place (E)

> The seat unit will only turn one way. An arrow on the push brace will indicate the correct way to turn.

The seat can be reversed with or without the child seated.

> When turning the seat, please be careful not to get fingers caught between the seat and frame.



GB SEAT MOUNTING / DISMOUNTING

> Make sure that the red security handle (A) on the back is tipped UP before mounting. Make sure that the red security handle (A) on the back is tipped DOWN after mounting.

* Mount the seat onto the frame and make sure it clicks into place.
* Push down the red handle (A)

To dismount:

* Tip up the red handle (A)
* Squeze the two handles (B) together, pull the seat forwards and remove it from the frame.

GB STORING THE STINGRAY

The Stingray compacts very easily and therefore is easy to take anywhere.

There are two ways to store the Stingray:

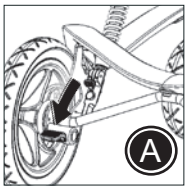
1) with the seat on the frame
2) the seat is dismounted before storing

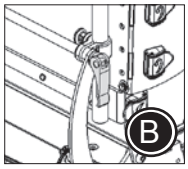
<u>With the seat on the frame</u>:

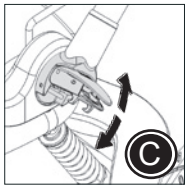
* Activate the brakes (A)
* Tip the back rest all the way forward (B)
* Unlock the handles (C)
* Turn the push handle upright (D)
* Push down (E) to collapse the back end

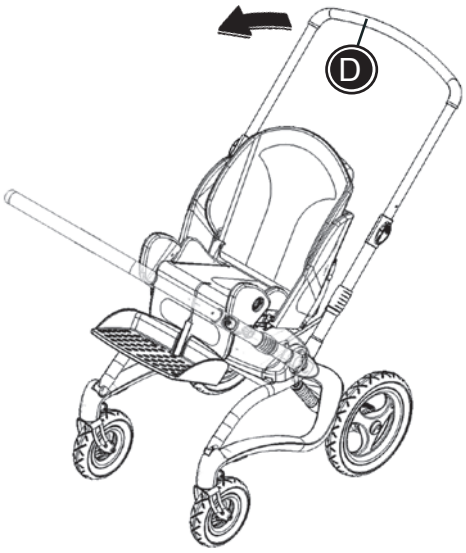
<u>With the seat dismounted</u>:

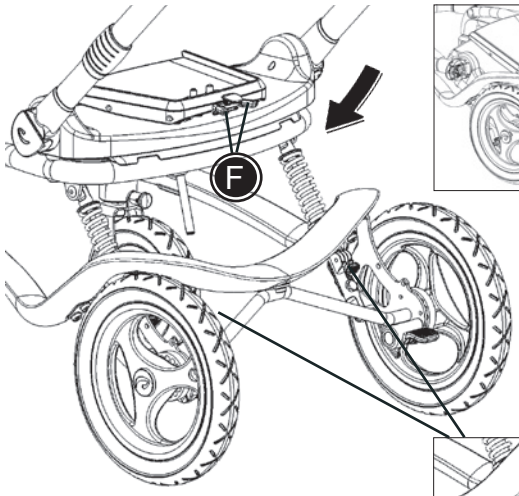
To dismount the seat, release the handle (C) on the back of the chair. Then follow the above steps.

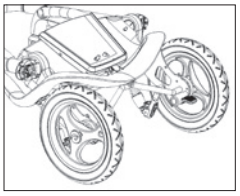


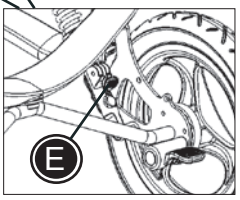


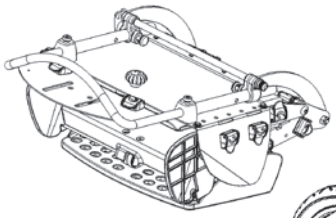


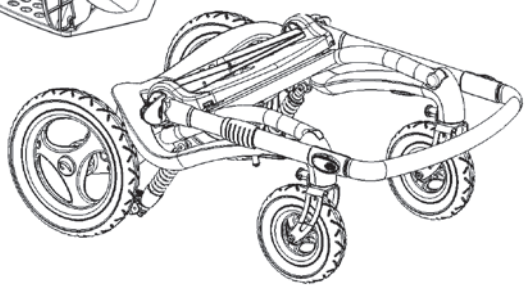










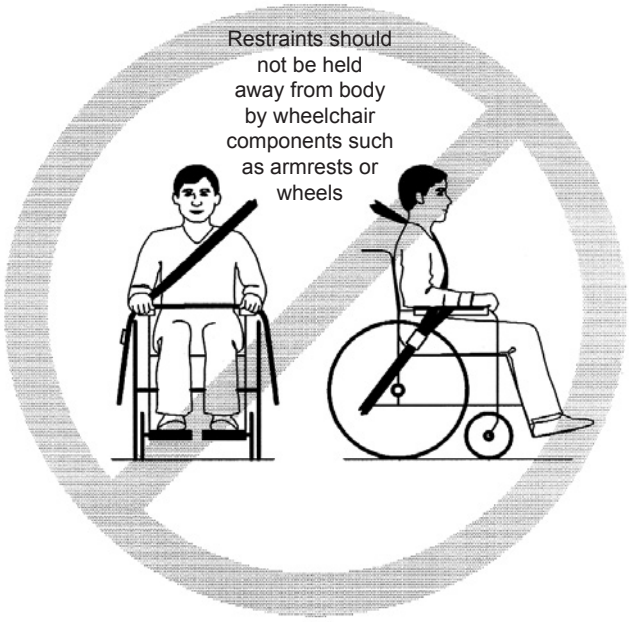


> When storing the Stingray, please be careful not to get fingers caught between the cabon frame and the upper frame part.

> To store the Stingray completely, remove the canopy, tray, shopping basket and hand brace, if any.

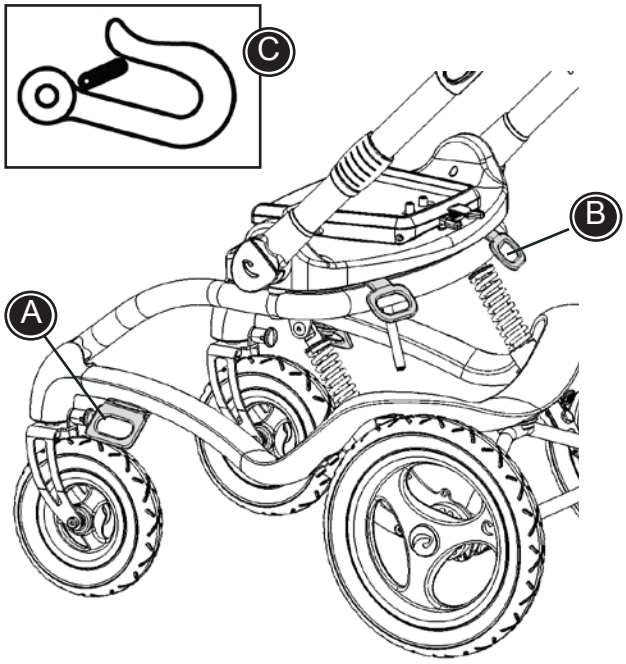
GB TRANSPORTATION IN MOTOR VEHICLES

The Stingray is approved for transporting children in motor vehicles, when the wheelchair is placed in forward-facing position.



- The approval is not valid on special made chairs.
- The child should transfer to the vehicle seat and use the vehicle-installed restraint system whenever it is feasible.
- The wheelchair has been dynamically tested according to ANSI/RESNA WC/Vol. 1-1998, section 6.4.1, litra c.
- Use an approved 3-point belt in the wheelchair. Restraints should not be held away from the body by wheelchair components such as armrests or wheels.
- The front wheels needs to be turned away under the frame before fixation.
- All accessories has to be removed from the wheelchair and secured separately in the vehicle. Accessories which can not be removed, has to be secured to the wheelchair but positioned away from the child with energy-absorbing padding placed between the accessories and the child.
- The wheelchair should be inspected by the dealer before reuse following involvement in any type of vehicle impact.

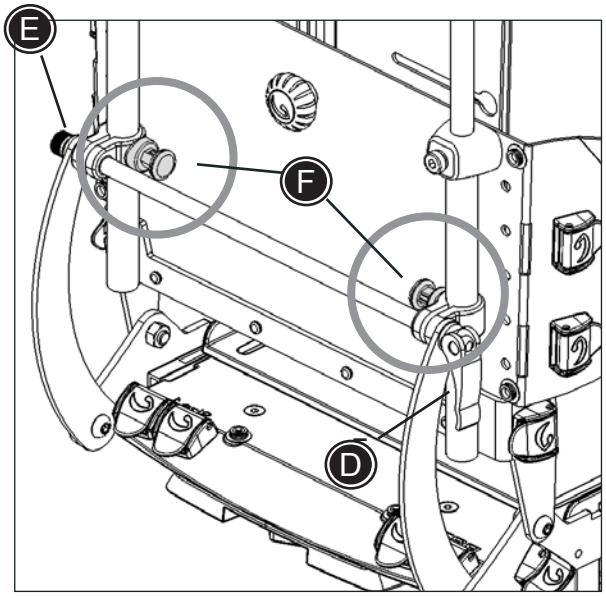
GB MAKE THE STINGRAY READY FOR TRANSPORT



Transport fittings:

* Use an 5 mm Allen key to mount the two fittings (A) in the holes on both sides of the Stingray

* Use an 5 mm Allen key to mount the two fittings (B) in the holes on the back of the Stingray. The transport fittings (B) are equipped with a secure symbol (C).



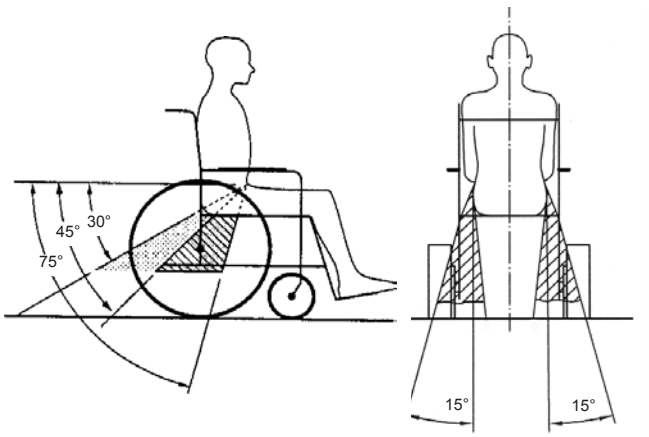
Position the back:

* Unlock the handle (D) on the right hand side of the seat by lifting it up. Hold onto the handle and loosen knob (E) on the left hand side by turning anti-clockwise. Pull out and turn the safety catches (F) to ensure that these are disengaged. Position the back in vertical position.

* Turn and engage the safety catches after adjustment. The locks must click into place in the lowest holes on the bar. Hold handle (D) and tighten knob (E) and finally lower handle (D).

The back MUST be placed in vertical position and the security locks (F) on the back MUST be activated during transportation.

The chair is approved for transportation at max load 40 kg.

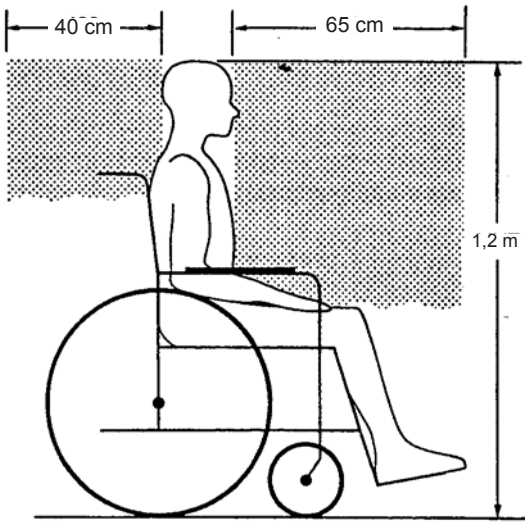


GB SECURE THE STINGRAY IN THE VEHICLE

* Mount the 4-point strap-type tiedown system in the vehicle. (Follow the manufacture instructions)

* Secure the chair to the vehicle, using the 4-point strap-type tiedown system. Use either a hook or a strap in the fitting (A).

Use a 4-point strap-type tiedown system approved according to ISO 10542-2 and SAE J2249.



Position inside vehicle:

* Remove all accessories from the chair before transportation.

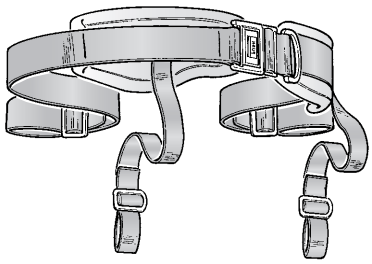
* Place the child in forward-facing position.

Be aware of the recommended safety zone (C) when moving children in vehicles.

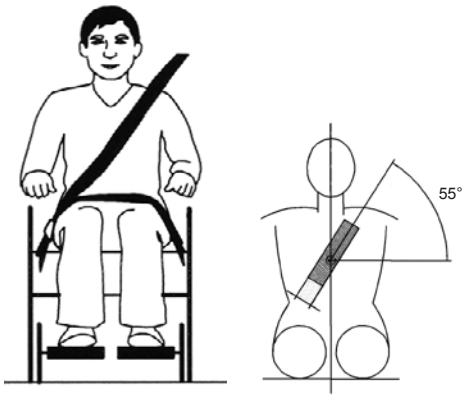
GB SECURE THE CHILD IN THE STINGRAY

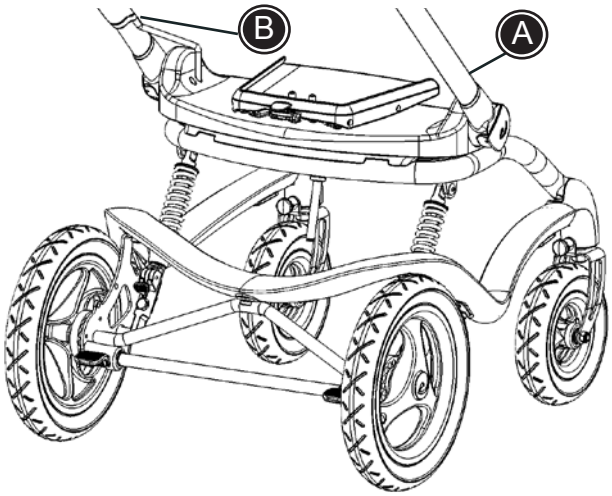
* Mount a hip-belt in the belt fittings in the seat and fasten the user.

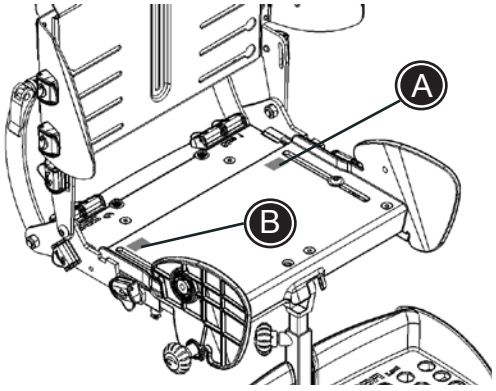
* Use the 3-point belt as shown on drawing to secure the user. The belt restraints should be adjusted as tightly as possible, consistent with user comfort. Further the belt webbing should not be twisted when in use.



Use a hip-belt and an approved 3-point belt according to ISO 10542-1 or SAE J2249.







GB PRODUCT IDENTIFICATION

A) Serial number

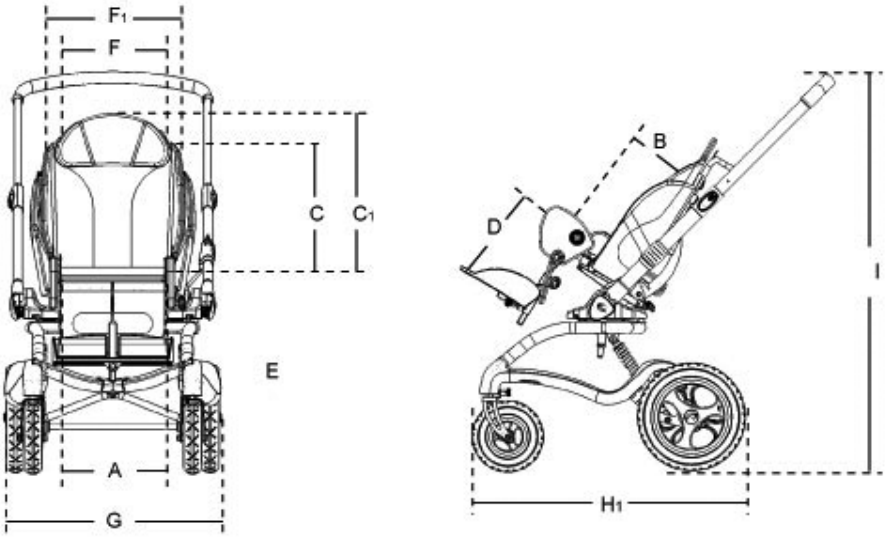
Frame: The label is placed lowest down on the inside of the push brace right bar.

Seat: The label is placed in the right back corner.

B) Manufacturer

Frame: The label is placed lowest down on the inside of the push brace left bar.

Seat: The label is placed in the left back corner.



GB MEASUREMENTS

	Size 1 cm (inch)	Size 2 cm (inch)
Seat width (A)	30 (11¾")	35 (13¾")
Seat width betwwen hip supports	18, 22, 26 (7, 8½, 10¼")	23, 27, 31 (9, 10½, 12")
Seat width between knee supports	28 (11")	33 (12¾")
Seat depth (B)	18-30 (7-11¾")	25-40 (9¾-15½")
Back height at shoulders (C)	27-41 (10½-16")	36-51 (14-19¾")
Back height (C_1)	41-55 (16-21½")	50-65 (19½-25¼")
Lower leg length (D)	14-45 (5½-17½")	14-45 (5½-17½")
Seat height above floor (E)	52 (20¼")	52 (20¼")
Back width, inside (F)	30 (11¾")	36 (14")
Back width, outside (F_1)	45 (17½")	52 (20¼")
Frame width (G)	59 (23")	59 (23")
Frame length w.turnable front wheels (H_1)	74 (28¾")	74 (28¾")
Frame length w.large front wheels	84 (32¾")	84 (32¾")
Height, push brace (I)	100,103,106 (39,40,41¼")	100,103,106 (39,40,41¼")
Foot plate (width x depth)	31 x 20 (12 x 7¾")	31 x 20 (12 x 7¾")
Frame length, folded	90 (35")	90 (35")
Height, folded	49 (19")	49 (19")
Weight, frame	13,5 kg (29,5 lb)	13,5 kg (29,5 lb)
Weight, seat	5,5 (12 lb)	6,5 (14,5 lb)
Max load / User weight	40 kg (88 lb)	40 kg (88 lb)
Max load / User weight at transportation in vehicles	40 kg (88 lb)	40 kg (88 lb)
Angles	Seat: 45°	Back: 170°

GB MAINTENANCE

The Stingray cushion/cover is removable and can be washed at max. 40°. Do NOT spin-dry the Stingray cushion. Please calculate some time for the cushion to dry. We recommend to cleen the cushion with a damp cloth on a regular basis. It is important to keep the frame clean to maintain the validity of the chair.

The care giver should check and oil the swing away parts occasionally - at least every 6 months.

Use a dry cloth, on a weekly basis, to wipe off filth and dirt from the wheels. Do not use any cleaning materials containing chlorine or methylated spirit.

The Stingray has to be checked and tightened by a qualified technician at least every 6 months to avoid failures.

Any adjustments and addition of accessories which are not described in this manual, must only be carried out by approved repairer. Vests and belts must be mounted according to the instruction provided with the products.

Check at regular basis that the locks clicks into place and the holes are not filled with grease or dirt.

The care giver should check and refill the tires for air at least once a month.
Air pressure, max.: Front: 35 PSI/250 kPa, rear: 40 PSI/2,5 bar

GB TECHNICAL DATA

Frame:	Carbon fibre and fibre glass
Seat:	Aluminium
Plastic parts:	Fibre glass strengthened polyamide
Cushion:	Fire-resistant foam
Fabric:	Fire-resistant microfibre

GB PRODUCER

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GB DISTRIBUTOR

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